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TODDR / XML-Parser-2.46 / Changes

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1      Revision history for Perl extension XML::Parser.
2
3      2.46 2019-09-24 (by Todd Rinaldo)
4          - use foreach not for for loops
5          - produce README.md so travis will show up on github
6          - remove use vars and switch to our.
7          - travis-ci testing from 5.8..5.28
8          - Convert XML::Parser to use 3 arg opens with no barewords.
9          - Migrate tracker to github
10         - Switch to XSLoader
11         - Fix a buffer overwrite in parse_stream()
12
13      2.44 2015-01-12 (by Todd Rinaldo)
14         - RT 99098 - Revert "Add more useful error message on parse to Expat".
15           XML::Twig. Calling code will need to do this if it's needed.
16         - RT 100959 - Add use FileHandle to t/astress.t - Make perl 5.10.0 happy
17
18      2.43 2014-12-11 (by Todd Rinaldo)
19         - POD patch to man from Debian via Nicholas Bamber
20         - POD patch from Debian via gregor herrmann.
21         - Add more useful error message on parse to Expat
22         - Fix LWP dependency to be LWP::Useragent
23         - Bump to 2.43 for overdue release to CPAN.
24
25      2.42_01 2013-07-12 (by Todd Rinaldo)
26         - Added instructions to README for OSX
27         - XS changes: stop using SvPV(string, PL_na)
28         - Fix documentation typos
29
30      2.41 2011-06-01 (by Todd Rinaldo)
31         - Tests are cleaned. promoting to stable. No changes since 2.40_02
32
33      2.40_02 2011-05-31 (by Todd Rinaldo)
34         - TODO some tests which fail in Free BSD due to improper expat CVE patch
35           http://www.freebsd.org/cgi/query-pr.cgi?pr=157469
36
37      2.40_01 2011-05-24 (by Todd Rinaldo)
38         - better installation instructions
39         - Small spelling patches from Debian package - Thanks Nicholas Bamber
40         - RT 68399 - Upgrade Devel::CheckLib to 0.93 to make it
41           perl 5.14 compliant - qw()
42         - RT 67207 - Stop doing tied on globs - Thanks sprout
43         - RT 31319 - Fix doc links in POD for XML/Parser.pm
44
45      2.40 2010-09-16 (by Alexandr Ciornii)
46         - Add windows-1251.enc, ibm866.enc, koi8-r.enc (Russian)
47         - Add windows-1255.enc (Hebrew)
48         - Update iso-8859-7.enc (RT#40712)
49         - Use Devel::CheckLib
50         - Better description of expat packages
51         - Better Perl style in both code and docs

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55 2.35 (mostly by Alexandr Ciornii)
56 - Works in 5.10 (Andreas J. Koenig)
57 - Added license in Makefile.PL (Alexandr Ciornii)
58 - Makefile.PL also searches for expat in C:/lib/Expat-2.0.0 (Alexandr Ciornii)
59 - No longer uses variable named 'namespace' in Expat.xs (Jeff Hunter)
60
61 2.33
62 - Fixed Tree style (grantm)
63 - Fixed some non-utf8 stuff in DTDs (patch in XML::DOM tarball)
64
65 2.32
66 - Memory leak fix (Juerd Waalboer).
67 - Added windows-1252 encoding
68 - Styles moved to separate .pm files to make loading faster and
69 ease maintainence
70 - Don't load IO::Handle unless we really need to
71
72 2.31 Tue Apr 2 13:39:51 EST 2002
73 - Ilya Zakharevich <ilya@math.ohio-state.edu> and
74 Dave Mitchell <davem@fdgroup.com> both provided patches to
75 fix problems module had with 5.8.0
76 - Dave Mitchell also made some UTF-8 related fixes to the test suite
77
78 2.30 Thu Oct 5 12:47:36 EDT 2000
79 - Get rid of ContentStash global. Not that big a deal looking it up
80 everytime and gets rid of a potential threading problem.
81 - Switch to shareable library version of expat from sourceforge
82 (i.e. no longer include expat source and require that libexpat
83 be installed)
84 - Bob Tribit <btribit@traffic.com> demonstrated a fix for problems
85 in compiling under perl 5.6.0 with 5.005 threading.
86 - Matt Sergeant <matt@sergeant.org> discovered a typo ('IO::Handle'
87 instead of 'IO::Handle') in Expat.pm that caused IO::Handle object
88 to be treated as strings instead of handles.
89 - Matt Sergeant also provided a patch to allow tied handles to work
90 properly in calls to parse.
91 - Eric Bohlman <ebohlman@netcom.com> reported a failure when
92 incremental parsing and external parsing were used together.
93 Need to give explicit package when calling Do_External_Parse
94 from externalEntityRef otherwise fails when called through Expat
95
96 2.29 Sun May 21 21:19:45 EDT 2000
97 - In expat, notation declaration handler registration wasn't
98 surviving through external entity references.
99 - Chase Tingley <tingley@sundell.net> discovered that text
100 accumulation in the Stream style wasn't working across processing
101 instructions and recommended the appropriate fix.
102 - Jochen Wiedmann <jochen.wiedmann@softwareag.com>, noted that
103 you couldn't use ExpatNB directly because it wasn't setting
104 the protective _State_ variable. Now doing this in the
105 parse_more method of ExpatNB.
106 - At the suggestion of Grant Hopwood <hopwoodg@valero.com>, now
107 calling the env_proxy method on the LWP::UserAgent in the LWP
108 external entity handler when it's created to set any proxies
109 from environment variables.
110 - Grant McLean, Matt Sergeant (& others I may have missed) noted that
111 loading the LWP & URI modules slowed startup of the module, even
112 if the application didn't need it. The default LWP handler is now
113 dynamically loaded (along with LWP & URI modules) the first time an
external entity is referenced. Also provided a NoLWP option to
XML::Parser that forces the file based external entity handler.

[118](#) was not returning NOTATION type attlist information.
[119](#) - Michel Rodriguez <mrodrigu@ieee.org>, noted that the constructor
[120](#) for XML::Parser objects no longer checked for the existence of
[121](#) applications installed external entity handlers before installing
[122](#) the default ones.
[123](#) - Burkhard Meier <burkhard.meier@ixos.de> sent in a fix for
[124](#) compiler directives in Expat/Makefile.PL for Win32 machines.
[125](#) A change in 5.6.0 caused the old conditional to fail.
[126](#) - Forgot to document changes to the Entity declaration handler:
[127](#) there is an additional "IsParam" argument that indicates whether
[128](#) or not the entity is a parameter entity. This information is
[129](#) no longer passed on in the name.
[130](#) - Ben Low <ben@snrc.uow.edu.au> reported an undefined macro with
[131](#) version 5.004_04.
[132](#) 2.28 Mon Mar 27 21:21:50 EST 2000
[133](#) - Junked local (Expat.xs) declaration parsing and patched expat to
[134](#) handle XML declarations, element declarations, attlist declarati
[135](#) and all entity declarations. By eliminating both shadow buffers a
[136](#) local declaration parsing in Expat.xs, I've eliminated the two m
[137](#) common sources of serious bugs in the expat interface.
[138](#) o thus fixed the segfault and parse position bugs reported by
[139](#) Ivan Kurmanov <iku@fnmail.com>
[140](#) o and the doctype bug reported by Kevin Lund
[141](#) <Kevin.Lund@westgroup.com>
[142](#) o The element declaration handler no longer receives a string,
[143](#) but an XML::Parser::ContentModel object that represents the
[144](#) parsed model, but still looks like a string if referred to as
[145](#) a string. This class is documented in the XML::Parser::Expat
[146](#) pod under "XML::Parser::ContentModel Methods".
[147](#) o The doctype declaration handler no longer receives the interna
[148](#) subset as a string, but in its place a true or undef value
[149](#) indicating whether or not there is an internal subset. Also,
[150](#) it's called prior to processing either the internal or externa
[151](#) DTD subset (as suggested by Enno Derksen <enno@att.com>.)
[152](#) o There is a new DoctypeFin handler that's called after finishin
[153](#) parsing all of the DOCTYPE declaration, including any internal
[154](#) or external DTD declarations.
[155](#) o One bit of lossage is that recognized_string, original_string,
[156](#) and default_current no longer work inside declaration handlers
[157](#) - Added a handler that gets called after parsing external entities
[158](#) ExternEntFin. Suggested by Jeff Horner <jhorner@netcentral.net>.
[159](#) - parsefile, file_ext_ent_handler, & lwp_ext_ent_handler now all
[160](#) set the base path. This problem has been raised more than once
[161](#) and I'm not sure to whom credit should be given.
[162](#) - The file_ext_ent_handler now opens a file handle instead of
[163](#) reading the entire entity at once.
[164](#) - Merged patches supplied by Larry Wall to (for perl 5.6 and beyond
[165](#) tag generated strings as UTF-8, where appropriate.
[166](#) - Fixed a bug in xml_escape reported by Jerry Geiger <jgeiger@rios
[167](#) It failed when requesting escaping of perl regex meta-characters
[168](#) - Laurent Caprani <caprani@pop.multimania.com> reported a bug in th
[169](#) Proc handler for the Debug style.
[170](#) - <chocolateboy@usa.net> sent in a patch for the element index
[171](#) mechanism. I was popping the stack too soon in the endElement for
[172](#) - Jim Miner <jfm@winternet.com> sent in a patch to fix a warning in
[173](#) Expat.pm.
[174](#) - Kurt Starsinic pointed out that the eval used to check for string
[175](#) versus IO handle was leaving \$@ dirty, thereby foiling higher

- 180 - Mark D. Anderson <mda@discerning.com> noted that calling
 181 recognized_string from the Final method caused a dump. There are
 182 a bunch of methods that should not be called after parsing has
 183 finished. These now have protective if statements around them.
 184 - Updated canonical utility to conform to newer version of Canonical
 185 XML working draft.
- 186 2.27 Sat Sep 25 18:26:44 EDT 1999
 187 - Corrected documentation in Parser.pm
 188 - Deal with XML_NS and XML_BYTE_ORDER macros in Expat/Makefile.PL
 189 - Chris Thorman <chris@thorman.com> noted that "require 'URI::URL.
 190 in Parser.pm was in error (should be "require 'URI/URL.pm")
 191 - Andrew McNaughton <andrew@scoop.co.nz> noted "use English" and
 192 use of '\$&' slowed down regex handling for whole application, so
 193 they were excised from XML::Parser::Expat.
 194 - Work around "modification of read-only value" bug in perl 5.004
 195 - Enno Derksen <enno@att.com> reported that the Doctype handler
 196 wasn't being called when ParseParamEnt was set.
 197 - Now using Version 19990728 of expat, with local patches.
 198 - Got rid of shadow buffer
 199 o thus fixed the error reported by Ashley Sanders
 200 <a.sanders@mcc.ac.uk>
 201 o and removed ExpatNB limitations that Peter Billam
 202 <music@pjb.com.au> noted.
 203 - Vadim Konovalov <vkonovalov@lucent.com> had a problem compiling
 204 for multi-threading that was fixed by changing Perl_sv_setsv to
 205 sv_setsv.
 206 - Added new Expat method: skip_until(index)
 207 - Backward incompatible change to method xml_escape: to get former
 208 behavior use \$xp->xml_escape(\$string, '>', ...)
 209 - Added utility, canonical, to samples
- 210 2.26 Sun Jul 25 19:06:41 EDT 1999
 211 - Ken Beesley <ken.beesley@xrce.xerox.com> discovered that
 212 declarations in the external subset are not sent to registered
 213 handlers when there is no internal subset.
 214 - Fixed parse_dtd to work when entity values or attribute defaults
 215 are so large that they might be broken across multiple calls to
 216 the default handler.
 217 - For lwp_ext_ent_handler, use URI::URL instead of URI so that old
 218 5.004 installations will work with it.
- 219 2.25 Fri Jul 23 06:23:43 EDT 1999
 220 - Now using Version 1990709 of expat. No local patches.
 221 - Numerous people reported a SEGV problem when running t/cdata
 222 on various platforms and versions of perl. The problem was
 223 introduced with the setHandlers change. In some cases an
 224 un-initialized value was being returned.
 225 - Added an additional external entity handler, lwp_ext_ent_handler,
 226 that deals with general URIs. It is installed instead of the
 227 "file only" handler if the LWP package is installed.
- 228 2.24 Thu Jul 8 23:05:50 EDT 1999
 229 - KangChan Lee <dolphin@comeng.chungnam.ac.kr> supplied the
 230 EUC-KR encoding map.
 231 - Enno Derksen <enno@att.com> forwarded reports by Jon Eisenzopf
 232 <eisen@pobox.com> and Stefaan Onderbeke <onderbes@bec.bel.alcate.
 233 about a core dump using XML::DOM. This was due to a bug in the
 234 prolog parsing part of XML::Parser.
 235 - Loic Dachary <loic@ceic.com> discovered that changing G_DISCARD
 236 G_VOID introduced a small memory leak. Changed G_VOID back to
 237 G_DISCARD.

- the call.
- Now using Version 19990626 of expat with a local patch (provided by James Clark.)
 - Added option ParseParamEnt. When set to a true value, parameter entities are parsed and the external DTD is read (unless standalone set to "Yes" in document).
- 2.23 Mon Apr 26 21:30:28 EDT 1999
- Fixed a bug in the ExpatNB class reported by Gabe Begeed-Dov <begeedov@jfinity.com>. The ErrorMessage attribute wasn't being initialized for ExpatNB. This should have been done in the Expat constructor.
 - Applied patch provided by Nathan Kurz <nate@valleytel.net> to fix more perl stack manipulation errors in Expat.xs.
 - Applied another patch by Nathan to change perl_call_sv flag from G_DISCARD to G_VOID for callbacks, which helps performance.
 - Murata Makoto <murata@apsdc.ksp.fujixerox.co.jp> reported a problem on Win32 platforms that only showed up when UTF-16 was being used. The needed call to binmode was added to the parsefile methods.
 - Added documentation for release method that was added in release 2.20 to Expat pod. (Point raised by <mookie@undef.com>)
 - Now using Version 19990425 of expat. No local patches.
 - Added specified_attr method and made ineffective the is_defaulted method.
- 2.22 Sun Apr 4 11:47:25 EDT 1999
- Loic Dachary <loic@ceic.com> reported a core dump with a small file with a comment that wasn't properly closed. Fixed in expat by updating positionPtr properly in final call of XML_Parse. (Reported to & acknowledged by James Clark.)
 - Made more fixes to Expat.xs position calculation.
 - Loic Dachary <loic@ceic.com> provided patches for fixing a memory growth problem with large documents. (Garbage collection wasn't happening frequently enough.)
 - As suggested by Gabe Begeed-Dov <begeedov@jfinity.com>, added a non-blocking parse mechanism:
 - Added parse_start method to XML::Parser, which returns a XML::Parser::ExpatNB object.
 - Added XML::Parser::ExpatNB class, which is a subclass of Expat and has the additional methods parse_more & parse_c
 - Made some performance tweaks as suggested by performance thread on perl-xml discussion list. [With negligible results]
 - Tried to clarify Tree style structure in Parser pod
- 2.21 Sun Mar 21 17:42:04 EST 1999
- Warren Vik <wvik@whitebarn.com> provided patches for a bug introduced with the is_defaulted method. It manifested itself by bogusly reporting duplicate attributes.
 - Now using latest expat from <ftp://ftp.jclark.com/pub/test/expat.7> Version 19990307. (Plus any patches in Expat/expat.patches.)
 - As suggested by Tim Bray, added an xml_escape method to Expat.
 - Murray Nesbitt <murray@activestate.com> had build problems on Win32 that were solved by swapping 2 include files in Expat.xs
 - Added following Expat namespace methods:
 - new_ns_prefixes
 - expand_ns_prefix
 - current_ns_prefixes
 - Fixed memory handling in recognized_string method to get rid

- for relative URLs.
- Chris Nandor <pudge@pobox.com> provided patches for building on Macintosh.
 - As suggested by Matt Sergeant <Matthew.Sergeant@eml.ericsson.se>, added the finish method to Expat.
 - Matt also provided a fix to a bug he discovered in the Streams style.
 - Fixed a parse position bug reported by Enno Derksen <enno@att.com> that was affecting both `original_string` and `position_in_context`.
 - Fixed a gross memory leak reported by David Megginson, <david@megginson.com>: there was a circular reference to the Expat object and the internal end handler for context was not freeing element names after they were removed from the context stack.
 - Now using expat Version 19990109
(Plus any patches in Expat/expat.patches)
 - Added `is_defaulted` method to Expat to tell if an attribute was defaulted. (Requested by Enno Derksen for XML::DOM.)
 - Matt Sergeant <Matthew.Sergeant@eml.ericsson.se> reported that the XML::Parser parse methods weren't propagating array context to the Final handler. Now they are.
 - Fixed more memory leaks (again reported by David Megginson). The SVs pointing to the handlers weren't being reclaimed when the callback vector was freed.
 - Added the `element_index` method to Expat.
- 2.19 Sun Jan 3 11:23:45 EST 1999
- When the recognized string is long enough, expat uses multiple calls to `reportDefault`. Fixed `recString` handler in Expat.xs to deal with this properly.
 - Added `original_string` method to Expat. This returns the untranslated string (i.e. original encoding) that caused current event.
 - Alberto Accomazzi <alberto@cfa0.harvard.edu> sent in more patches for perl5.005_54 incompatibilities.
 - Alberto also fingered a nasty memory bug in Expat.xs that arose sometimes when you registered a declaration handler but no default handler. It would give you a "Not a CODE reference" error in a place that wasn't using any CODE references.
 - <schinder@pobox.com> reported a problem with compiling expat on a Sun 4 due to non-existence of `memmove` on that OS. Provided a workaround in Makefile.PL
 - Now using expat Version 19981231 from James Clark's test directory
 - Made patch to this version in order to support `original_string` (see Expat/expat.patches.)
 - Added `CdataStart` and `CdataEnd` handlers to expat.
- 2.18 Sun Dec 27 07:39:23 EST 1998
- Alberto Accomazzi <alberto@cfa0.harvard.edu> pointed out that the DESTROY sub in the new XML::Parser::Encinfo package was pointing to the wrong package for calling `FreeEncoding`.
 - Tarang Kumar Patel <mombasa@ptolemy.arc.nasa.gov> reported the mis-declaration of an integer as unsigned in the `convert_to_unicode` function in Expat.xs.
 - Glenn R. Kronschnabl <grk@arlut.utexas.edu> reported a problem with `ExternEnt` handlers when using `parsefile`. Turned out to be an unmatched ENTER; SAVETMPS pair that screwed up the Perl stack
 - Tom Hughes <tom@compton.demon.co.uk> reported that the fix I put in for the switch to PL_sv.. names failed with 5.0005_54, since these became real variables instead of macros. Switched to just checking the PATCHLEVEL macro.
 - Yoshida Masato <yoshidam@inse.co.jp> provided the EUC-JP encoding

- no previous release provided an explanatory message.
- 366 - Added the recognized_string method to Expat, deprecating
 - 367 default_current.
 - 368 - Now using expat Version 19981122 from James Clark's test director
 - 369 (this fixes another bug with external entity reference handlers)
 - 370 - Added a default external entity handler that only accesses file:
 - 371 based URLs.
- 2.17 Sun Dec 13 17:39:58 EST 1998
- 372 - Replaced uses of malloc, realloc, and free with New, Renew,
 - 373 and Safefree respectively
 - 374 - In Expat.pm, fixed methods in_element and within_element to
 - 375 work correctly with namespaces.
 - 376 - xmlfilter - Substitute quoted equivalents for special characters
 - 377 in attribute values.
 - 378 - position_in_context was off by one line when position was at
 - 379 the end of line.
 - 380 - For the context methods in Expat.pm, do the right thing when
 - 381 the context list is empty.
 - 382 - Added methods xpcroak and xpcarp to Expat.
 - 383 - Alberto Accomazzi <alberto@cfa0.harvard.edu> noted that perl
 - 384 releases 5.005_5* (the pre 5.006 development versions) won't
 - 385 accept sv_undef (and related constants) anymore and we have
 - 386 to switch to PL_sv_...
 - 387 - Alberto also reported a warning in the newer versions of
 - 388 IO::Handle about input_record_separator not being treated on
 - 389 a per-handle basis.
 - 390 - Fixed bug that Jon Udell <udell@top.monad.net> reported in
 - 391 Stream style: Text handler most of the time didn't see proper
 - 392 context.
 - 393 - Added XML::Parser::Expat::load_encoding function and support
 - 394 for external encodings.
- 2.16 Tue Oct 27 22:27:33 EST 1998
- 395 - Fixed bug reported by Enno Derksen <enno@att.com>:
 - 396 Now treats parameter entity declarations correctly. The entity
 - 397 handler sees the name beginning with '%' if it's a parameter
 - 398 entity declaration.
 - 399 - Nigel Hutchison <nwoh@software-ag.de> pointed out that stream.t
 - 400 wasn't portable off Unix systems. Replaced with portable version
 - 401 - Fixed bug reported by Enno Derksen <enno@att.com>:
 - 402 XML Declaration was firing off both XMLDecl handler *and* Default
 - 403 handler.
 - 404 - Added option NoExpand to Expat to turn off expansion of entity
 - 405 references when a default handler is set.
- 2.15 Tue Oct 20 14:50:11 EDT 1998
- 406 - In Expat's parse method, account for undefined previous
 - 407 record separators.
 - 408 - Simplify a couple of Expat methods.
 - 409 - Re-ordered Changes entries to put latest changes first.
 - 410 - In XML::Parser::new, set Handlers if not already set
 - 411 - New Handler (XMLDecl) for handling XML declarations
 - 412 - New Handler (Doctype) for handling DOCTYPE declarations
 - 413 - New Handler (Entity) for handling ENTITY declarations in
 - 414 the internal subset.
 - 415 - New Handler (Element) for handling ELEMENT declarations in
 - 416 the internal subset.
 - 417 - New Handler (Attlist) for handling ATTLIST declarations in
 - 418 the internal subset.
 - 419 - Documented new handlers
 - 420 - Added t/decl.t to test new handlers
 - 421
 - 422
 - 423

- [428](#) - Deal with line being longer than buffer.
- [429](#) 2.13 Thu Oct 8 16:58:39 EDT 1998
- [430](#) - Fixed a major oops in Expat.xs where I was trying to decrement
- [431](#) a refcnt on an unallocated SV, leading to a segment violation.
- [432](#) (Why did this show up on HPUX but not Linux?)
- [433](#) 2.12 Thu Oct 8 00:05:10 EDT 1998
- [434](#) - Incorporated fix to t/astress.t from <fletch@phydeaux.org> (Mike
- [435](#) Fletcher).
- [436](#) - Change to xmlstats from <dblack@candle.superlink.net> (David
- [437](#) Alan Black)
- [438](#) - Access Handlers_Setters in Expat and Handler_Types in Parser
- [439](#) through object reference (following admonition in perltoot
- [440](#) about class data.)
- [441](#) - Added Stream_Delimiter option to Expat.
- [442](#) - In the parse_stream function in Expat.xs, if we either have a
- [443](#) Stream_Delimiter or if there's no file descriptor, use method
- [444](#) calls instead. For Stream_Delimiter in particular, the function
- [445](#) now uses the getline method so it can check for the delimiter
- [446](#) without consuming stuff past the delimiter from the stream.
- [447](#) 2.11 Sun Oct 4 22:15:53 EDT 1998
- [448](#) - Swapped out local patch for expat and swapped in James Clark's
- [449](#) patch.
- [450](#) - Pass on all Parser attributes (other than those excluded by
- [451](#) Non_Expat_Options) to the instance of Expat created at parse time
- [452](#) - New method for Expat: generate_ns_name
- [453](#) - Split test.pl into t/*.t and change Makefile.PL so we don't do a
- [454](#) useless descent into Expat subdir for testing.
- [455](#) - Stop the numeric warning for eq_name and namespace method.
- [456](#) 2.10 Fri Sep 25 18:36:46 EDT 1998
- [457](#) - Uses expat Version 19980924
- [458](#) (with local patch - see Expat/expat/xmlparse/xmlparse.c.diff)
- [459](#) - Use newSVpv when PERL_VERSION >= 5.005
- [460](#) - Completed xmlfilter
- [461](#) - Added support for namespace processing:
- [462](#) o Namespaces option to XML::Parser and XML::Parser::Expat
- [463](#) o Two new methods in Expat:
- [464](#) namespace - to return namespace associated with name
- [465](#) eq_name - compare 2 names for equality across namespaces
- [466](#) - Use expat's new SetDefaultHandlerExpand instead of SetDefaultHandl
- [467](#) so that entity expansion may continue even if the default handler
- [468](#) is set.
- [469](#) - Moved test.pl back up main level and changed to work with XML::Pa
- [470](#) - Added tests for namespaces
- [471](#) 2.09 Fri Sep 18 10:33:38 EDT 1998
- [472](#) - Fixed errors that caused -w to fret in XML::Parser.
- [473](#) - Fixed depth method in XML::Parser::Expat
- [474](#) - There were a few places in Expat.xs where garbage strings may
- [475](#) have been returned due to the expat library giving us zero-length
- [476](#) strings. Fixed by using a local version of newSVpv where length
- [477](#) means length, even when zero.
- [478](#) - The default handler setter in Expat.xs, was inappropriately sett
- [479](#) cbv->dflt_sv when there was a null handler.
- [480](#) 2.08 Thu Sep 17 11:47:13 EDT 1998
- [481](#) - Make XML::Parser higher-level re-usable parser objects. Old objec
- [482](#) now becomes XML::Parser::Expat.
- [483](#) - The XML::Parser object now supports the style mechanism very clos
- [484](#) to that in the 1.0 version.
- [485](#) 2.07 Wed Sep 9 11:03:43 EDT 1998

- [490](#) 2.06 Tue Sep 1 10:40:41 EDT 1998
[491](#) - Fixed the methods `current_line`, `current_byte`, and `current_column`
[492](#) - Added some tests
[493](#) 2.05 Mon Aug 31 15:29:42 EDT 1998
[494](#) - Made Makefile.PL changes suggested by Murray Nesbitt
[495](#) <murray@ActiveState.com> to support building on Win32
[496](#) and for making PPM binaries.
[497](#) - Added method `parse`
[498](#) - Changed `parsestring` and `parsefile` to use new `parse` method
[499](#) - Deprecated `parsestring` method
[500](#) - Improved error handling in the `ExternEnt` handler
[501](#) 2.04 Wed Aug 26 13:25:01 EDT 1998
[502](#) - Uses `expat` Version 1.0 of August 14, 1998
[503](#) - Some document changes
[504](#) - Changed `dist` section in `Makefile.PL`
[505](#) - Added `ExternEnt` handler
[506](#) - Added tests for `ExternEnt`
[507](#) 2.03 Fri Aug 21 17:19:26 EDT 1998
[508](#) - Changed `InitEncoding` to `ProtocolEncoding`. Default to `none`.
[509](#) Pass null string to `expat`'s `ParserCreate` when there is no
[510](#) `ProtocolEncoding`.
[511](#) - Fixed bug in `parsefile` & `parsestring` where they were referring
[512](#) to an `ErrorContext` `*method*` instead of a field.
[513](#) - Fixed `position_in_context` bugs:
[514](#) -- 'last' in `do {} while ()`;
[515](#) -- insert newline before pointer when no following newline
[516](#) in buffer.
[517](#) - Added some additional tests
[518](#) 2.02 Thu Aug 20 14:05:08 EDT 1998
[519](#) - Fixed `parsefile` problem reported by
[520](#) "Robert Hanson" <robertha@zenweb.com>, using a modification of
[521](#) his suggested fix.
[522](#) - Responded to problem reported by
[523](#) Bart Schuller <schuller+perl-xml@lunatech.com>
[524](#) by pre-expanding parts of the `XML_UPD` macro to avoid confusing
[525](#) some versions of `gcc`.
[526](#) - Changed the constructor to take the option `InitEncoding`, which
[527](#) gets passed to the `ParserCreate` call. When not given, defaults
[528](#) to `UTF-8`.
[529](#) - Added method `position_in_context`
[530](#) - Added Constructor option `ErrorContext` and added reporting of
[531](#) errors in context.
[532](#) 2.01 Wed Aug 19 11:42:42 EDT 1998
[533](#) - Added methods:
[534](#) `default_current`, `base`, `current_line`, `current_column`,
[535](#) `current_byte`, `context`
[536](#) - Added some tests
[537](#) - `parsestring` and `parsefile` now croak if they're re-used
[538](#) - Filled in some documentation
[539](#) 2.00 Mon Aug 17 12:01:33 EDT 1998
[540](#) - repackaged with James Clark's most recent `expat`
[541](#) - changed to an API closer to `expat`
[542](#) 1.00 March 1998
[543](#) - Larry Wall's original version
[544](#)